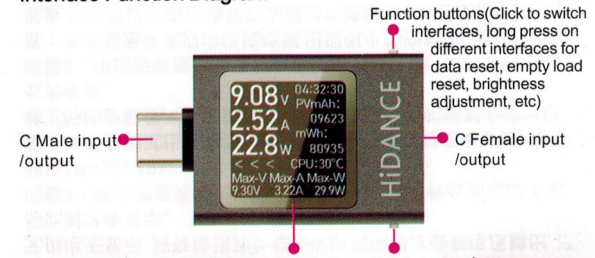
HDC-085C Product manual

Interface Function Diagram



Important Notice: When using a USB-C port charger, this meter will only light up and display when both the charger and the phone are connected at the same time!

Functional operation

Function key: Click to cycle through the interface; Press and hold for several functions in different screens, including data reset, empty load reset, and brightness adjustment. (Kind tip: Long press can also adjust brightness when in the large font interface on the second page)

Spin key: Click to rotate the display in four directions.

Product parameters

Product Name：Type-C Tester **Model：HDC-085C**

1)Working voltage：DC 4.5~50V
2)Working current：0~6A (short-term peak 12A)
3)Self power consumption：<0.15W
4)Power display：0~600W
5)Sampling resistor：0.001R
6)Data retention period：T_A=55°C 20year
7)Power display：0~9999WH
8)Capacity display：0~99999mAh
9)Working temperature：0~45°C/32~113°F
10)Product size：43mm*25mm*10mm

Frequently asked questions

Question 1: Why does the product not display when plugged into the charger separately?

Answer: The Type-C port of most chargers defaults to no voltage output. At this time, the product has no power supply and no display. The charger will only have voltage output when the load protocol is detected, and the product will only display it at this time.

Question 2: Why can't the test meter measure 10A or 120W on my product charger?

Answer: The values tested by this product are real-time charging parameters during the charging process. The parameters marked on the charger are the maximum power parameters of the product, and not always output such large parameters.

Question 3: Why occasionally displays a current of 0.01-0.02A when the output is not connected to a load?

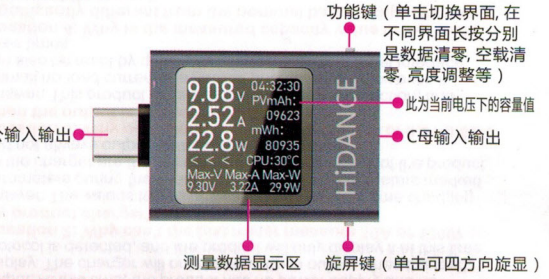
Answer: This product uses bidirectional current detection, and a small no-load current is a normal phenomenon. However, it can also be reset by quickly touching the current reset interface three times.

Question 4: Why is the measured capacity value in this table significantly different from the nominal battery capacity value of the mobile phone?

The measured capacity value in this table is the current voltage capacity value. If you need to know the capacity value of the phone's battery at 3.7V voltage, please use this table to display the power value and convert it according to the formula..

HDC-085C产品说明书

接口功能图



重要敬告: 当应用在USB-C口充电器时, 只有同时连上充电器和手机等设备后, 本表才点亮显示。

功能操作

功能键: 单击是循环切换界面；在不同界面长按分别是数据清零、空载清零、亮度调整几种功能。（温馨小技巧: 当在第二页大字界面时长按也可调整亮度）

旋屏键: 单击可按四个方向旋转显示。

产品参数

品名：Type-C检测仪　　型号：HDC-085C

1)工作电压：DC 4.5~50V
2)工作电流：0~6A(短时峰值12A)
3)本表功耗：<0.15W
4)功率显示：0~600W
5)采样电阻：0.001R
6)数据保存期限：T_A=55°C 20年
7)电量显示：0~9999WH
8)容量显示：0~99999mAh
9)工作温度：0~45°C/32~113°F
10)产品尺寸：43mm*25mm*10mm

常见问题

问题1：单独将产品插在充电器上面产品为什么不显示？

答：大部分充电器的Type-C口默认是没有电压输出的, 此时产品无供电无显示, 只有检测到负载协议时充电器才会有电压输出, 产品此时才会显示。

问题2：我的产品充电器上标了10A或120W为什么测试表不能测出10A或120W？

答：本产品测试出来的数值是充电过程中的实时充电参数, 充电器上标的参数是产品的最大功率参数,并非任何时候都会输出这么大参数。

问题3：输出没有接负载为什么偶尔会显示0.01-0.02A的电流？

答：本产品是采用双向电流检测,出现很小的空载电流属于正常现象,但也可以在电流清零界面通过快速触控3次进行清零。

问题4：为何本表所测容量值与手机标称电池容量值相差巨大？

答：本表所测容量值为当前电压容量值, 如需知手机内电池**3.7**V电压下容量值时, 请用本表显示的电量值按逻辑公式换算后才可。